

SCORE Search Results Details for Application 10529592 and Search Result 20090427_122905_us-10-529-592a-1.rng.

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This page gives you Search Results detail for the Application 10529592 and Search Result 20090427_122905_us-10-529-592a-1.rng.

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GenCore version 6.3

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OM nucleic - nucleic search, using sw model

Run on: April 28, 2009, 04:12:15 ; Search time 229 Seconds
(without alignments)
63759.541 Million cell updates/sec

Title: US-10-529-592A-1
Perfect score: 881
Sequence: 1 gggccatgacccccgctgct.....aaataaagatcctctgtaac 881

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 14112681 seqs, 8286569208 residues

Total number of hits satisfying chosen parameters: 28225362

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : N_Geneseq_200812:*
1: geneseqn1:*
2: geneseqn2:*
3: geneseqn3:*
4: geneseqn4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query		DB	ID	Description
		Match	Length			
1	881	100.0	881	2	ADM96967	Adm96967 Human pan
2	881	100.0	881	3	AES72471	Aes72471 Human C19
3	827	93.9	893	2	ADM96969	Adm96969 Human pan
4	827	93.9	893	3	AES72473	Aes72473 Human C19
5	703.2	79.8	761	1	AAK88446	Aak88446 Human dig
c 6	694.2	78.8	963	1	AAI90742	Aai90742 Human pol
c 7	694.2	78.8	963	1	ADE09694	Ade09694 Novel DNA
8	694.2	78.8	1239	3	ARC01157	Arc01157 DNA fragm
9	692.6	78.6	1261	4	AQD66153	Aqd66153 Human chr
c 10	611	69.4	614	2	ADR26670	Adr26670 Breast ca
11	549	62.3	2798	1	AAK90422	Aak90422 Human dig
12	547.4	62.1	2804	1	AAK90423	Aak90423 Human dig
13	367	41.7	574	1	ABL65256	Abl65256 Lung canc
14	206.4	23.4	1617	1	ADE07493	Ade07493 Novel cod
15	203	23.0	203	1	AFS82561	Afs82561 Human tra
16	193	21.9	195	3	AQC97274	Aqc97274 Human nuc
17	193	21.9	195	3	AQC91488	Aqc91488 Human nuc
18	147.2	16.7	550	2	ACH77410	Ach77410 Human gen
19	144	16.3	170	2	ACH91110	Ach91110 Human gen
20	105.4	12.0	2721	1	ABS61407	Abs61407 Prostate
21	75.4	8.6	763	1	ABQ27175	Abq27175 Oligonucl
c 22	75.4	8.6	763	1	ABQ27174	Abq27174 Oligonucl
23	49.8	5.7	2000	1	ADA71938	Ada71938 Rice gene
24	49.8	5.7	2000	3	AJG11665	Ajg11665 Rice infe
25	49.2	5.6	2441	2	AQD19538	Aqd19538 Rice cDNA
c 26	49	5.6	763	1	ABQ27177	Abq27177 Oligonucl
27	49	5.6	763	1	ABQ27176	Abq27176 Oligonucl
28	48.4	5.5	852	4	AQY74734	Aqy74734 Streptomy
c 29	48.4	5.5	110000	4	AQY71306_42	Continuation (43 o
c 30	47.2	5.4	1501	3	AOB79884	Aob79884 Rice geno
c 31	47.2	5.4	88445	3	AOC17251	Aoc17251 Rice geno
c 32	47.2	5.4	88445	4	ASR04844	Asr04844 Rice geno
c 33	47.2	5.4	88805	3	AQD74525	Aqd74525 Rice geno
c 34	47	5.3	1140	1	ADB72831	Adb72831 Human LFN
c 35	47	5.3	1140	1	ADB72832	Adb72832 Human LFN
c 36	47	5.3	1140	1	ADA66377	Ada66377 Human LFN
c 37	47	5.3	1140	1	ADA66378	Ada66378 Human LFN
c 38	47	5.3	1140	1	ADA03094	Ada03094 Human LFN
c 39	47	5.3	1140	1	ADA03093	Ada03093 Human LFN
c 40	47	5.3	1140	1	ADL27172	Adl27172 Human cod
c 41	47	5.3	1377	2	ADZ12748	Adz12748 Human can
c 42	47	5.3	1545	1	AAV41906	Aav41906 Nucleotid
c 43	47	5.3	3025	2	ADZ12756	Adz12756 Human can

c	44	47	5.3	3142	4	ATN14791	Atn14791 Human tra
c	45	47	5.3	29040	1	ADL27170	Adl27170 Human gen

ALIGNMENTS

RESULT 1

ADM96967

ID ADM96967 standard; cDNA; 881 BP.

XX

AC ADM96967;

XX

DT 01-JUL-2004 (first entry)

XX

DE Human pancreatic cancer upregulated gene C1958V1.

XX

KW ds; gene; cytostatic; gene therapy; pancreatic cancer; diagnosis;
 KW anti-tumor immunity.

XX

OS Homo sapiens.

XX

FH Key Location/Qualifiers

FT CDS 163..393

FT /*tag= a

FT /product= "C1958V1 protein"

XX

PN WO2004031411-A2.

XX

PD 15-APR-2004.

XX

PF 12-SEP-2003; 2003WO-JP011713.

XX

PR 30-SEP-2002; 2002US-0414872P.

PR 28-FEB-2003; 2003US-0450889P.

XX

PA (ONCO-) ONCOTHERAPY SCI INC.

PA (UYTY) UNIV TOKYO.

XX

PI Nakamura Y, Katagiri T;

XX

DR WPI; 2004-330204/30.

DR P-PSDB; ADM96968.

XX

PT New C1958V1 or C1958V2 polypeptides, useful in useful in diagnosing and
 PT treating pancreatic cancer and in inducing anti tumor immunity.

XX

PS Claim 2; SEQ ID NO 1; 71pp; English.

XX

CC The invention relates to the isolation of novel genes upregulated in
 CC pancreatic cancer designated C1958V1 and C1958V2, their encoded
 CC polypeptides (I), a sequence in which one or more amino acids are
 CC substituted, deleted, inserted, and/or added and that has a biological
 CC activity equivalent to the C1958V1 or C1958V2 proteins; or a sequence
 CC encoded by a polynucleotide that hybridizes under stringent conditions to
 CC the C1958V1 or C1958V2 polynucleotides. The polypeptides and
 CC polynucleotides, compounds and compositions are useful in diagnosing and
 CC treating pancreatic cancer and in inducing anti tumor immunity. This
 CC sequence represents the C1958V1 cDNA sequence.

XX

SQ Sequence 881 BP; 178 A; 276 C; 264 G; 163 T; 0 U; 0 Other;

Query Match 100.0%; Score 881; DB 2; Length 881;
 Best Local Similarity 100.0%; Pred. No. 2.5e-206;
 Matches 881; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCCATGACCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGAC	60
Db	1	GGGCCATGACCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGAC	60
Qy	61	CGCGCCGCCACCAACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC	120
Db	61	CGCGCCGCCACCAACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC	120
Qy	121	AGTGAGCCCAACAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Db	121	AGTGAGCCCAACAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Qy	181	TGCCTGAAAGGCTTTCAAATGTGTGTGACAGCAGCAGCAGCAGCCACGACGAGGCCCC	240
Db	181	TGCCTGAAAGGCTTTCAAATGTGTGTGACAGCAGCAGCAGCAGCCACGACGAGGCCCC	240
Qy	241	GTCCTGAACGACAAGCACCTGGACGTGCCGACATCATCATACGCCCCCACCACACG	300
Db	241	GTCCTGAACGACAAGCACCTGGACGTGCCGACATCATCATACGCCCCCACCACACG	300
Qy	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	360
Db	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	360
Qy	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG	420
Db	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG	420
Qy	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480
Db	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480

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Qy      481 CTGAATACCTGGATGGGAACCTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGG 540
        |||
Db      481 CTGAATACCTGGATGGGAACCTGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGG 540

Qy      541 ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCCTCCAGGCCCGCTGAGTG 600
        |||
Db      541 ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCCTCCAGGCCCGCTGAGTG 600

Qy      601 GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA 660
        |||
Db      601 GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA 660

Qy      661 TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAG 720
        |||
Db      661 TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAG 720

Qy      721 CCCCCAGGGCTGTGCAAAACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG 780
        |||
Db      721 CCCCCAGGGCTGTGCAAAACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG 780

Qy      781 TGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAACAGTCCAAAATGGGATT 840
        |||
Db      781 TGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAACAGTCCAAAATGGGATT 840

Qy      841 ATAATTTCTTTTTGCATTATAAATAAAGATCCTCTGTAAC 881
        |||
Db      841 ATAATTTCTTTTTGCATTATAAATAAAGATCCTCTGTAAC 881
    
```

RESULT 2

AES72471

ID AES72471 standard; cDNA; 881 BP.

XX

AC AES72471;

XX

DT 03-MAY-2007 (first entry)

XX

DE Human C1958 splice variant 1, cDNA.

XX

KW Pancreatic ductal adenocarcinoma; cancer; cytostatic; tumor marker;
 KW protein therapy; screening; splice variant; ss; gene; C1958V1; apoptosis;
 KW gene therapy; pancreas tumor; lung tumor; renal tumor; testicle tumor.

XX

OS Homo sapiens.

XX

FH Key Location/Qualifiers

FT CDS 163..393

FT /*tag= a

FT /product= "C1958V1 protein"

XX
PN WO2007013358-A2.
XX
PD 01-FEB-2007.
XX
PF 14-JUL-2006; 2006WO-JP314442.
XX
PR 28-JUL-2005; 2005US-0703791P.
XX
PA (ONCO-) ONCOTHERAPY SCI INC.
PA (UYTY) UNIV TOKYO.
XX
PI Nakamura Y, Katagiri T, Inaki K;
XX
DR WPI; 2007-283242/27.
DR P-PSDB; AES72472.
XX
PT New VIVIT polypeptide useful for treating or preventing cancer, such as
PT pancreatic cancer, lung cancer, kidney cancer and testicular tumor.
XX
PS Disclosure; SEQ ID NO 1; 78pp; English.
XX
CC The invention relates to a VIVIT polypeptide (AES72497) and at least a
CC fragment of the human C1958 sequence appearing as AES72472, in which
CC residues at positions 37-41 is replaced with AES72497, or an amino acid
CC sequence of a polypeptide functionally equivalent to the polypeptide
CC comprising the fragment sequence. Also included are an agent for
CC treating/preventing cancer (comprising as an active ingredient the VIVIT
CC polypeptide, or a polynucleotide encoding the polypeptide), a
CC pharmaceutical composition (comprising the VIVIT polypeptide, and a
CC carrier), screening (M1) for a compound useful in treating/preventing
CC cancers (involving (a) contacting a polypeptide comprising a PPP3CA-
CC binding domain of a C1958 polypeptide with a polypeptide comprising a
CC C1958-binding domain of a PPP3CA polypeptide in the presence of a test
CC compound, (b) detecting binding between the polypeptides, and (c)
CC selecting a test compound that inhibits binding between the
CC polypeptides), a kit for screening for a compound for treating or
CC preventing cancers, treating/preventing cancers in a subject (involving
CC administering the compound selected above), and inducing apoptosis in a
CC cell (involving introducing a polypeptide having a dominant-negative
CC effect against C1958 or a polynucleotide encoding the polypeptide into
CC the cell, where the polypeptide comprises a fragment sequence having
CC AES72497, or the mutated C1958 above). The polypeptide is modified with a
CC cell-membrane permeable substance, which has the general formula [R]-[D],
CC where [R] represents the cell-membrane permeable substance, and [D]
CC represents the amino acid sequence of a fragment sequence of AES72497, or
CC the mutated C1958 peptide. The VIVIT polypeptide is useful for treating
CC and/or preventing cancer, preferably pancreatic cancer (especially
CC Pancreatic ductal adenocarcinoma), lung cancer, kidney cancer and

CC testicular tumor. (M1) is useful for screening a compound for treating or
 CC preventing cancers. The present sequence encodes a splice variant of
 CC human C1958.

XX

SQ Sequence 881 BP; 178 A; 276 C; 264 G; 163 T; 0 U; 0 Other;

Query Match	100.0%;	Score 881;	DB 3;	Length 881;
Best Local Similarity	100.0%;	Pred. No. 2.5e-206;		
Matches	881;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCCATGACCCCGCTGCTCTGTCTTGCAAGGCTCGTCGCCGCGGCCCGCCGAGCCCGAC	60
Db	1	GGGCCATGACCCCGCTGCTCTGTCTTGCAAGGCTCGTCGCCGCGGCCCGCCGAGCCCGAC	60
Qy	61	CGCCGCCGCCACCAACCAGCGCCCGGGCGGGCCTCGCGCGCTCGGGCGGGCTCCGC	120
Db	61	CGCCGCCGCCACCAACCAGCGCCCGGGCGGGCCTCGCGCGCTCGGGCGGGCTCCGC	120
Qy	121	AGTGAGCCCAACAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Db	121	AGTGAGCCCAACAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Qy	181	TGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCC	240
Db	181	TGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCC	240
Qy	241	GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCAGCCCCCACCACCCACG	300
Db	241	GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCAGCCCCCACCACCCACG	300
Qy	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTTCGTGC	360
Db	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTTCGTGC	360
Qy	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG	420
Db	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG	420
Qy	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480
Db	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480
Qy	481	CTGAATACCTGGATGGGAACCTGAGCGAACC CGGCCTCCGCTCAGAGAGACGTGGCAGG	540
Db	481	CTGAATACCTGGATGGGAACCTGAGCGAACC CGGCCTCCGCTCAGAGAGACGTGGCAGG	540
Qy	541	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCACAGGCCCGCTGAGTG	600
Db	541	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCACAGGCCCGCTGAGTG	600

Qy 601 GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA 660
 |||
 Db 601 GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA 660

Qy 661 TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAG 720
 |||
 Db 661 TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAG 720

Qy 721 CCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG 780
 |||
 Db 721 CCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGCAGG 780

Qy 781 TGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATT 840
 |||
 Db 781 TGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATT 840

Qy 841 ATAATTTCTTTTTGCATTATAAATAAGATCCTCTGTAA 881
 |||
 Db 841 ATAATTTCTTTTTGCATTATAAATAAGATCCTCTGTAA 881

RESULT 3

ADM96969

ID ADM96969 standard; cDNA; 893 BP.

XX

AC ADM96969;

XX

DT 01-JUL-2004 (first entry)

XX

DE Human pancreatic cancer upregulated gene C1958V2.

XX

KW ds; gene; cytostatic; gene therapy; pancreatic cancer; diagnosis;
 KW anti-tumor immunity.

XX

OS Homo sapiens.

XX

FH Key Location/Qualifiers

FT CDS 197. .259

FT /*tag= a

FT /product= "C1958V2 protein"

XX

FN WO2004031411-A2.

XX

PD 15-APR-2004.

XX

PF 12-SEP-2003; 2003WO-JP011713.

XX

PR 30-SEP-2002; 2002US-0414872P.

PR 28-FEB-2003; 2003US-0450889P.

XX

PA (ONCO-) ONCOTHERAPY SCI INC.

PA (UYTY) UNIV TOKYO.

XX

PI Nakamura Y, Katagiri T;

XX

DR WPI; 2004-330204/30.

DR P-PSDB; ADM96970.

XX

PT New C1958V1 or C1958V2 polypeptides, useful in useful in diagnosing and
PT treating pancreatic cancer and in inducing anti tumor immunity.

XX

PS Claim 2; SEQ ID NO 3; 71pp; English.

XX

CC The invention relates to the isolation of novel genes upregulated in
CC pancreatic cancer designated C1958V1 and C1958V2, their encoded
CC polypeptides (I), a sequence in which one or more amino acids are
CC substituted, deleted, inserted, and/or added and that has a biological
CC activity equivalent to the C1958V1 or C1958V2 proteins; or a sequence
CC encoded by a polynucleotide that hybridizes under stringent conditions to
CC the C1958V1 or C1958V2 polynucleotides. The polypeptides and
CC polynucleotides, compounds and compositions are useful in diagnosing and
CC treating pancreatic cancer and in inducing anti tumor immunity. This
CC sequence represents the C1958V2 cDNA sequence.

XX

SQ Sequence 893 BP; 175 A; 287 C; 274 G; 157 T; 0 U; 0 Other;

Query Match 93.9%; Score 827; DB 2; Length 893;

Best Local Similarity 97.5%; Pred. No. 4.9e-193;

Matches 859; Conservative 0; Mismatches 0; Indels 22; Gaps 1;

Qy	1	GGGCCATGACCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCGGAGCCCGAC	60
Db	35	GGGCCATGACCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCGGAGCCCGAC	94
Qy	61	CGCCGCCGCCACCAACCAGCGCCCGGGCGGGCCTCGCGCGCTCGGGCGCGGCTCCGC	120
Db	95	CGCCGCCGCCACCAACCAGCGCCCGGGCGGGCCTCGCGCGCTCGGGCGCGGCTCCGC	154
Qy	121	AGTGAGCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Db	155	AGTGAGCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	214
Qy	181	TGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCC	240
Db	215	TGCCTGAA-----AGCAGCAGCAGCAGCCACGACGAGGCCCCC	252
Qy	241	GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCAGCCCCCACCACCCACG	300

Db	253		GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACC	312
Qy	301		GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	360
Db	313		GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	372
Qy	361		CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG	420
Db	373		CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG	432
Qy	421		CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	480
Db	433		CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTG	492
Qy	481		CTGAATACCCTGGATGGGAACGTAGCGAACC	540
Db	493		CTGAATACCCTGGATGGGAACGTAGCGAACC	552
Qy	541		ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGT	600
Db	553		ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGT	612
Qy	601		GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA	660
Db	613		GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCA	672
Qy	661		TGGTCTTGCTGTTTGGGGTCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCAG	720
Db	673		TGGTCTTGCTGTTTGGGGTCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCAG	732
Qy	721		CCCCCAGGGCTGTGCAAAACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGACAGG	780
Db	733		CCCCCAGGGCTGTGCAAAACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGACAGG	792
Qy	781		TGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT	840
Db	793		TGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT	852
Qy	841		ATAATTTCTTTTTTGCAATTATAAATAAAGATCCTCTGTAAC	881
Db	853		ATAATTTCTTTTTTGCAATTATAAATAAAGATCCTCTGTAAC	893

RESULT 4

AES72473

ID AES72473 standard; cDNA; 893 BP.

XX

AC AES72473;

XX
DT 03-MAY-2007 (first entry)
XX
DE Human C1958 splice variant 3, cDNA.
XX
KW Pancreatic ductal adenocarcinoma; cancer; cytostatic; tumor marker;
KW protein therapy; screening; splice variant; ss; gene; C1958V3; apoptosis;
KW gene therapy; pancreas tumor; lung tumor; renal tumor; testicle tumor.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT CDS 197..259
FT /*tag= a
FT /product= "C1958V3"
XX
PN WO2007013358-A2.
XX
PD 01-FEB-2007.
XX
PF 14-JUL-2006; 2006WO-JP314442.
XX
PR 28-JUL-2005; 2005US-0703791P.
XX
PA (ONCO-) ONCOTHERAPY SCI INC.
PA (UYTY) UNIV TOKYO.
XX
PI Nakamura Y, Katagiri T, Inaki K;
XX
DR WPI; 2007-283242/27.
DR P-PSDB; AES72474.
XX
PT New VIVIT polypeptide useful for treating or preventing cancer, such as
PT pancreatic cancer, lung cancer, kidney cancer and testicular tumor.
XX
PS Disclosure; SEQ ID NO 3; 78pp; English.
XX
CC The invention relates to a VIVIT polypeptide (AES72497) and at least a
CC fragment of the human C1958 sequence appearing as AES72472, in which
CC residues at positions 37-41 is replaced with AES72497, or an amino acid
CC sequence of a polypeptide functionally equivalent to the polypeptide
CC comprising the fragment sequence. Also included are an agent for
CC treating/preventing cancer (comprising as an active ingredient the VIVIT
CC polypeptide, or a polynucleotide encoding the polypeptide), a
CC pharmaceutical composition (comprising the VIVIT polypeptide, and a
CC carrier), screening (M1) for a compound useful in treating/preventing
CC cancers (involving (a) contacting a polypeptide comprising a PPP3CA-
CC binding domain of a C1958 polypeptide with a polypeptide comprising a
CC C1958-binding domain of a PPP3CA polypeptide in the presence of a test

CC compound, (b) detecting binding between the polypeptides, and (c)
 CC selecting a test compound that inhibits binding between the
 CC polypeptides), a kit for screening for a compound for treating or
 CC preventing cancers, treating/preventing cancers in a subject (involving
 CC administering the compound selected above), and inducing apoptosis in a
 CC cell (involving introducing a polypeptide having a dominant-negative
 CC effect against C1958 or a polynucleotide encoding the polypeptide into
 CC the cell, where the polypeptide comprises a fragment sequence having
 CC AES72497, or the mutated C1958 above). The polypeptide is modified with a
 CC cell-membrane permeable substance, which has the general formula [R]-[D],
 CC where [R] represents the cell-membrane permeable substance, and [D]
 CC represents the amino acid sequence of a fragment sequence of AES72497, or
 CC the mutated C1958 peptide. The VIVIT polypeptide is useful for treating
 CC and/or preventing cancer, preferably pancreatic cancer (especially
 CC Pancreatic ductal adenocarcinoma), lung cancer, kidney cancer and
 CC testicular tumor. (M1) is useful for screening a compound for treating or
 CC preventing cancers. The present sequence encodes a splice variant of
 CC human C1958.

XX

SQ Sequence 893 BP; 175 A; 287 C; 274 G; 157 T; 0 U; 0 Other;

Query Match 93.9%; Score 827; DB 3; Length 893;
 Best Local Similarity 97.5%; Pred. No. 4.9e-193;
 Matches 859; Conservative 0; Mismatches 0; Indels 22; Gaps 1;

Qy	1	GGGCCATGACCCCGCTGCTCTGTCTTGCAAGGCTCGTCGCCGCGGCCCCCAGCCCGAC	60
Db	35	GGGCCATGACCCCGCTGCTCTGTCTTGCAAGGCTCGTCGCCGCGGCCCCCAGCCCGAC	94
Qy	61	CGCGCGCGCCACCACCAGCGCCGGGCGGGCCTCGCGCGCCTCGGGCGGGCTCCGC	120
Db	95	CGCGCGCGCCACCACCAGCGCCGGGCGGGCCTCGCGCGCCTCGGGCGGGCTCCGC	154
Qy	121	AGTGAGCCACCAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	180
Db	155	AGTGAGCCACCAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC	214
Qy	181	TGCCTGAAAGGCTTTCAAATGTGTGTAGCAGCAGCAGCAGCAGCCACGACGAGGCCCC	240
Db	215	TGCCTGAA-----AGCAGCAGCAGCAGCCACGACGAGGCCCC	252
Qy	241	GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCAGCCCCCACCACCCACG	300
Db	253	GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCAGCCCCCACCACCCACG	312
Qy	301	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	360
Db	313	GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC	372

Qy	361	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTCTGGGTTTGCTGGCTGG	420
Db	373	CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTCTGGGTTTGCTGGCTGG	432
Qy	421	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGTGTG	480
Db	433	CTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGTGTG	492
Qy	481	CTGAATACCTGGATGGGAACCTGAGCGAACC CGGCCTCCGCTCAGAGAGACGTGGCAGG	540
Db	493	CTGAATACCTGGATGGGAACCTGAGCGAACC CGGCCTCCGCTCAGAGAGACGTGGCAGG	552
Qy	541	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCCTCCAGGCCCGCTGAGTG	600
Db	553	ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCCTCCAGGCCCGCTGAGTG	612
Qy	601	GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGAGCGCCA	660
Db	613	GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGAGCGCCA	672
Qy	661	TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAG	720
Db	673	TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAG	732
Qy	721	CCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCTTG CAGG	780
Db	733	CCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCTTG CAGG	792
Qy	781	TGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATT	840
Db	793	TGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATT	852
Qy	841	ATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	881
Db	853	ATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	893

RESULT 5

AAK88446

ID AAK88446 standard; cDNA; 761 BP.

XX

AC AAK88446;

XX

DT 05-NOV-2001 (first entry)

XX

DE Human digestive system antigen coding sequence SEQ ID NO: 762.

XX

KW Human; digestive system antigen; gene therapy; cancer; appendicitis;
 KW ulcerative colitis; infection; Hirschsprung's disease; chronic colitis;

KW digestive system disorder; Meckel's diverticulum; ss.
XX
OS Homo sapiens.
XX
PN WO200155314-A2.
XX
PD 02-AUG-2001.
XX
PF 17-JAN-2001; 2001WO-US001324.
XX
PR 31-JAN-2000; 2000US-0179065P.
PR 04-FEB-2000; 2000US-0180628P.
PR 24-FEB-2000; 2000US-0184664P.
PR 02-MAR-2000; 2000US-0186350P.
PR 16-MAR-2000; 2000US-0189874P.
PR 17-MAR-2000; 2000US-0190076P.
PR 18-APR-2000; 2000US-0198123P.
PR 19-MAY-2000; 2000US-0205515P.
PR 07-JUN-2000; 2000US-0209467P.
PR 28-JUN-2000; 2000US-0214886P.
PR 30-JUN-2000; 2000US-0215135P.
PR 07-JUL-2000; 2000US-0216647P.
PR 07-JUL-2000; 2000US-0216880P.
PR 11-JUL-2000; 2000US-0217487P.
PR 11-JUL-2000; 2000US-0217496P.
PR 14-JUL-2000; 2000US-0218290P.
PR 26-JUL-2000; 2000US-0220963P.
PR 26-JUL-2000; 2000US-0220964P.
PR 14-AUG-2000; 2000US-0224518P.
PR 14-AUG-2000; 2000US-0224519P.
PR 14-AUG-2000; 2000US-0225213P.
PR 14-AUG-2000; 2000US-0225214P.
PR 14-AUG-2000; 2000US-0225266P.
PR 14-AUG-2000; 2000US-0225267P.
PR 14-AUG-2000; 2000US-0225268P.
PR 14-AUG-2000; 2000US-0225270P.
PR 14-AUG-2000; 2000US-0225447P.
PR 14-AUG-2000; 2000US-0225757P.
PR 14-AUG-2000; 2000US-0225758P.
PR 14-AUG-2000; 2000US-0225759P.
PR 18-AUG-2000; 2000US-0226279P.
PR 22-AUG-2000; 2000US-0226681P.
PR 22-AUG-2000; 2000US-0226688P.
PR 22-AUG-2000; 2000US-0227182P.
PR 23-AUG-2000; 2000US-0227009P.
PR 30-AUG-2000; 2000US-0228924P.
PR 01-SEP-2000; 2000US-0229287P.
PR 01-SEP-2000; 2000US-0229343P.
PR 01-SEP-2000; 2000US-0229344P.

PR 01-SEP-2000; 2000US-0229345P.
PR 05-SEP-2000; 2000US-0229509P.
PR 05-SEP-2000; 2000US-0229513P.
PR 06-SEP-2000; 2000US-0230437P.
PR 06-SEP-2000; 2000US-0230438P.
PR 08-SEP-2000; 2000US-0231242P.
PR 08-SEP-2000; 2000US-0231243P.
PR 08-SEP-2000; 2000US-0231244P.
PR 08-SEP-2000; 2000US-0231413P.
PR 08-SEP-2000; 2000US-0231414P.
PR 08-SEP-2000; 2000US-0232080P.
PR 08-SEP-2000; 2000US-0232081P.
PR 12-SEP-2000; 2000US-0231968P.
PR 14-SEP-2000; 2000US-0232397P.
PR 14-SEP-2000; 2000US-0232398P.
PR 14-SEP-2000; 2000US-0232399P.
PR 14-SEP-2000; 2000US-0232400P.
PR 14-SEP-2000; 2000US-0232401P.
PR 14-SEP-2000; 2000US-0233063P.
PR 14-SEP-2000; 2000US-0233064P.
PR 14-SEP-2000; 2000US-0233065P.
PR 21-SEP-2000; 2000US-0234223P.
PR 21-SEP-2000; 2000US-0234274P.
PR 25-SEP-2000; 2000US-0234997P.
PR 25-SEP-2000; 2000US-0234998P.
PR 26-SEP-2000; 2000US-0235484P.
PR 27-SEP-2000; 2000US-0235834P.
PR 27-SEP-2000; 2000US-0235836P.
PR 29-SEP-2000; 2000US-0236327P.
PR 29-SEP-2000; 2000US-0236367P.
PR 29-SEP-2000; 2000US-0236368P.
PR 29-SEP-2000; 2000US-0236369P.
PR 29-SEP-2000; 2000US-0236370P.
PR 02-OCT-2000; 2000US-0236802P.
PR 02-OCT-2000; 2000US-0237037P.
PR 02-OCT-2000; 2000US-0237038P.
PR 02-OCT-2000; 2000US-0237039P.
PR 02-OCT-2000; 2000US-0237040P.
PR 13-OCT-2000; 2000US-0239935P.
PR 13-OCT-2000; 2000US-0239937P.
PR 20-OCT-2000; 2000US-0240960P.
PR 20-OCT-2000; 2000US-0241221P.
PR 20-OCT-2000; 2000US-0241785P.
PR 20-OCT-2000; 2000US-0241786P.
PR 20-OCT-2000; 2000US-0241787P.
PR 20-OCT-2000; 2000US-0241808P.
PR 20-OCT-2000; 2000US-0241809P.
PR 20-OCT-2000; 2000US-0241826P.
PR 01-NOV-2000; 2000US-0244617P.

PR 08-NOV-2000; 2000US-0246474P.
PR 08-NOV-2000; 2000US-0246475P.
PR 08-NOV-2000; 2000US-0246476P.
PR 08-NOV-2000; 2000US-0246477P.
PR 08-NOV-2000; 2000US-0246478P.
PR 08-NOV-2000; 2000US-0246523P.
PR 08-NOV-2000; 2000US-0246524P.
PR 08-NOV-2000; 2000US-0246525P.
PR 08-NOV-2000; 2000US-0246526P.
PR 08-NOV-2000; 2000US-0246527P.
PR 08-NOV-2000; 2000US-0246528P.
PR 08-NOV-2000; 2000US-0246532P.
PR 08-NOV-2000; 2000US-0246609P.
PR 08-NOV-2000; 2000US-0246610P.
PR 08-NOV-2000; 2000US-0246611P.
PR 08-NOV-2000; 2000US-0246613P.
PR 17-NOV-2000; 2000US-0249207P.
PR 17-NOV-2000; 2000US-0249208P.
PR 17-NOV-2000; 2000US-0249209P.
PR 17-NOV-2000; 2000US-0249210P.
PR 17-NOV-2000; 2000US-0249211P.
PR 17-NOV-2000; 2000US-0249212P.
PR 17-NOV-2000; 2000US-0249213P.
PR 17-NOV-2000; 2000US-0249214P.
PR 17-NOV-2000; 2000US-0249215P.
PR 17-NOV-2000; 2000US-0249216P.
PR 17-NOV-2000; 2000US-0249217P.
PR 17-NOV-2000; 2000US-0249218P.
PR 17-NOV-2000; 2000US-0249244P.
PR 17-NOV-2000; 2000US-0249245P.
PR 17-NOV-2000; 2000US-0249264P.
PR 17-NOV-2000; 2000US-0249265P.
PR 17-NOV-2000; 2000US-0249297P.
PR 17-NOV-2000; 2000US-0249299P.
PR 17-NOV-2000; 2000US-0249300P.
PR 01-DEC-2000; 2000US-0250160P.
PR 01-DEC-2000; 2000US-0250391P.
PR 05-DEC-2000; 2000US-0251030P.
PR 05-DEC-2000; 2000US-0251988P.
PR 05-DEC-2000; 2000US-0256719P.
PR 06-DEC-2000; 2000US-0251479P.
PR 08-DEC-2000; 2000US-0251856P.
PR 08-DEC-2000; 2000US-0251868P.
PR 08-DEC-2000; 2000US-0251869P.
PR 08-DEC-2000; 2000US-0251989P.
PR 08-DEC-2000; 2000US-0251990P.
PR 11-DEC-2000; 2000US-0254097P.
PR 05-JAN-2001; 2001US-0259678P.

XX

PA (HUMA-) HUMAN GENOME SCI INC.
 XX
 PI Rosen CA, Barash SC, Ruben SM;
 XX
 DR WPI; 2001-502630/55.
 DR P-PSDB; AAM92673.
 XX
 PT Polynucleotides encoding digestive system antigens, useful for
 PT diagnosing, treating, preventing and/or prognosing disorders of the
 PT digestive system, particularly cancer and cancer metastases.
 XX
 PS Claim 1; SEQ ID NO 762; 986pp; English.
 XX
 CC The present invention provides the protein and coding sequences of a
 CC number of human digestive system antigens. These can be used in the
 CC diagnosis, treatment and prevention of digestive system disorders,
 CC including cancer, Meckel's diverticulum, bacterial or parasitic
 CC infections, appendicitis, Hirschsprung's disease, chronic colitis or
 CC ulcerative colitis. The present sequence is a cDNA encoding a digestive
 CC system antigen of the invention
 XX
 SQ Sequence 761 BP; 183 A; 208 C; 218 G; 150 T; 0 U; 2 Other;

Query Match 79.8%; Score 703.2; DB 1; Length 761;
 Best Local Similarity 99.3%; Pred. No. 1.4e-162;
 Matches 735; Conservative 2; Mismatches 0; Indels 3; Gaps 3;

Qy 142 GCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATG 201
 ||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 1 GCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAA-GCTTTCAAATG 59

Qy 202 TGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCTGAACGACAAGCACCTG 261
 ||||||||||||||||||||||||||||||||||||||||||||:|:|||||||
 Db 60 TGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGG-CCCCGTCTGAAMGWCAAGCACCTG 118

Qy 262 GACGTGCCCGACATCATCATACGCCCCCCACCCCCACGGGCATGATGCTGCCGAGGGAC 321
 ||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 119 GACGTGCCCGACATCATCATACGCCCCCCA-CCCCACGGGCATGATGCTGCCGAGGGAC 177

Qy 322 TTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATGGAGAAATCGAC 381
 ||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 178 TTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATGGAGAAATCGAC 237

Qy 382 CCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGC 441
 ||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 238 CCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGC 297

Qy 442 TTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCTGGATGGGAAC 501
 ||||||||||||||||||||||||||||||||||||||||||||||||||||

Db	298	TTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCTGGATGGGAAC	357
Qy	502	TGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTG	561
Db	358	TGAGCGAACCCGGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTG	417
Qy	562	TCCACTTCCAGAACAGTGTTCCTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCC	621
Db	418	TCCACTTCCAGAACAGTGTTCCTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCC	477
Qy	622	AGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCC	681
Db	478	AGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCC	537
Qy	682	CAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAGCCCCCAGGGCTGTGCAACAC	741
Db	538	CAGGGAGAGGCTCTCTTCTGGACAAACACACCCTCCCAGCCCCCAGGGCTGTGCAACAC	597
Qy	742	ATGCCCTGCCATAAGCACCAACAAGAACTTCTTGCAAGTGGAGTGGCTGTTTTTTATAA	801
Db	598	ATGCCCTGCCATAAGCACCAACAAGAACTTCTTGCAAGTGGAGTGGCTGTTTTTTATAA	657
Qy	802	GTTGTTTTACAGATACGGAACAGTCCAAAATGGGATTATAAATTTCTTTTTGCATTAT	861
Db	658	GTTGTTTTACAGATACGGAACAGTCCAAAATGGGATTATAAATTTCTTTTTGCATTAT	717
Qy	862	AAATAAAGATCCTCTGTAAC	881
Db	718	AAATAAAGATCCTCTGTAAC	737

RESULT 6

AAI90742/c

ID AAI90742 standard; cDNA; 963 BP.

XX

AC AAI90742;

XX

DT 06-NOV-2001 (first entry)

XX

DE Human polynucleotide SEQ ID NO 10802.

XX

KW Human; cytokine; cell proliferation; cell differentiation; gene therapy;
 KW vaccine; peptide therapy; stem cell growth factor; haematopoiesis;
 KW tissue growth factor; immunomodulatory; cancer; leukaemia;
 KW nervous system disorders; arthritis; inflammation; ss.

XX

OS Homo sapiens.

XX

PN W0200164835-A2.

XX
PA (HYSE-) HYSEQ INC.
XX
PI Tang YT, Liu C, Drmanac RT;

XX
DR WPI; 2001-514838/56.
DR P-PSDB; AAO10811.

XX
PT Isolated nucleic acids and polypeptides, useful for preventing diagnosing
PT and treating e.g. leukemia, inflammation and immune disorders.

XX
PS Claim 1; SEQ ID NO 10802; 1399pp + Sequence Listing; English.

XX The invention relates to human polynucleotides (AAI79941-AAI93841) and
CC the encoded proteins (AAO00010-AAO13910) that exhibit activity elating to
CC cytokine, cell proliferation or cell differentiation or which may induce
CC production of other cytokines in other cell populations. The
CC polynucleotides and polypeptides are useful in gene therapy, vaccines or
CC peptide therapy. The polypeptides have various cytokine-like activities,
CC e.g. stem cell growth factor activity, haematopoiesis regulating
CC activity, tissue growth factor activity, immunomodulatory activity and
CC activin/inhibin activity and may be useful in the diagnosis and/or
CC treatment of cancer, leukaemia, nervous system disorders, arthritis and
CC inflammation. Note: The sequence data for this patent did not form part
CC of the printed specification, but was obtained in electronic format
CC directly from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 963 BP; 202 A; 296 C; 269 G; 194 T; 0 U; 2 Other;

Query Match 78.8%; Score 694.2; DB 1; Length 963;
Best Local Similarity 98.9%; Pred. No. 2.6e-160;
Matches 699; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 175 ATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCTAGCAGCAGCAGCAGCAGCCACGACGAG 234

Db 715 ACGCCTGGCTTCTCAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAG 656

Qy 235 GCCCCGTCTCTGAACGACAAGCACCTGGACGTGCCGACATCATCATCAGCCCCCACC 294

Db 655 GCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCGACATCATCATCACGCCCCCACC 596

Qy 295 CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG 354

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|||||
Db      595  CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG 536

Qy      355  TCGTGTCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCT 414
|||||

Db      535  TCGTGTCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCT 476

Qy      415  GGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCA 474
|||||

Db      475  GGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCA 416

Qy      475  GGTGTGCTGAATACCCTGGATGGGAACCTGAGCGAACC CGGGCCTCCGCTCAGAGAGACGT 534
|||||

Db      415  GGTGTGCTGAATACCCTGGATGGGAACCTGAGCGAACC CGGGCCTCCGCTCAGAGAGACGT 356

Qy      535  GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCCGC 594
|||||

Db      355  GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAGGCCCCGC 296

Qy      595  TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA 654
|||||

Db      295  TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA 236

Qy      655  GCGCCATGGTCTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC 714
|||||

Db      235  GCGCCATGGTCTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC 176

Qy      715  TCCAGCCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAATTCT 774
|||||

Db      175  TCCAGCCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAATTCT 116

Qy      775  TGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG 834
|||||

Db      115  TGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG 56

Qy      835  GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC 881
|||||

Db      55  GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC 9

```

RESULT 7

ADE09694/c

ID ADE09694 standard; DNA; 963 BP.

XX

AC ADE09694;

XX

DT 29-JAN-2004 (first entry)

XX

DE Novel DNA-related contig nucleotide sequence #416.

XX
 KW novel gene; novel protein; tissue marker; molecular weight marker;
 KW chromosome marker; genetic disorder; contig; ds.
 XX
 OS Unidentified.
 XX
 PN WO2003054152-A2.
 XX
 PD 03-JUL-2003.
 XX
 PF 10-DEC-2002; 2002WO-US039555.
 XX
 PR 10-DEC-2001; 2001US-0339739P.
 PR 11-DEC-2001; 2001US-0339453P.
 PR 14-MAR-2002; 2002US-0365091P.
 PR 14-MAR-2002; 2002US-0365384P.
 PR 12-APR-2002; 2002US-0372381P.
 PR 12-APR-2002; 2002US-0372615P.
 PR 22-APR-2002; 2002US-00128558.
 PR 24-APR-2002; 2002US-0376045P.
 XX
 PA (HYSE-) HYSEQ INC.
 XX
 PI Tang YT, Asundi V, Goodrich RW, Ren F, Zhang J, Zhao QA, Wang J;
 PI Ghosh M, Xue AJ, Wehrman T, Weng G, Zhou P, Drmanac RT, Wang Z;
 PI Ma Y, Wang D, Chen R, Xu C, Boyle BJ;
 XX
 DR WPI; 2003-569235/53.
 XX
 PT New polynucleotides, useful for expressing recombinant proteins for
 PT analysis, characterization or therapeutic use, or as markers for tissues
 PT in which the corresponding protein is preferentially expressed.
 XX
 PS Disclosure; SEQ ID NO 2238; 1177pp; English.
 XX
 CC The invention comprises the amino acid and coding sequences of novel
 CC proteins. The DNA and protein sequences of the invention are useful as:
 CC markers for tissues in which the corresponding protein is preferentially
 CC expressed; as molecular weight markers on gels; as chromosome markers or
 CC tags; to identify chromosomes or to map related gene positions; and to
 CC compare with endogenous DNA sequences in patients to identify potential
 CC genetic disorders. The present DNA sequence was used in the
 CC exemplification of the invention.
 XX
 SQ Sequence 963 BP; 202 A; 296 C; 269 G; 194 T; 0 U; 2 Other;

Query Match 78.8%; Score 694.2; DB 1; Length 963;
 Best Local Similarity 98.9%; Pred. No. 2.6e-160;
 Matches 699; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

RESULT 8

ARC01157

ID ARC01157 standard; DNA; 1239 BP.

XX

AC ARC01157;

XX

DT 10-JUL-2008 (first entry)

XX

DE DNA fragments of a human Tox gene, 45208.

XX

KW DNA microarray; gene expression; drug screening; ds; Tox.

XX

OS Homo sapiens.

XX

PN US2007072175-A1.

XX

PD 29-MAR-2007.

XX

PF 15-MAY-2006; 2006US-00433832.

XX

PR 13-MAY-2005; 2005US-0680473P.

PR 13-MAY-2005; 2005US-0680544P.

XX

PA (BIOJ) BIOGEN IDEC MA INC.

XX

PI Cooper MT, Kinch D, Rosenberg M, Subramaniam SS, Szak ST, Li H;

PI Bandaru R, Derbel M;

XX

DR WPI; 2007-432796/41.

XX

PT New nucleotide array comprises polynucleotide probes complementary to, or
 PT fragments of, Cynomolgus monkey genes, useful for detecting changes in
 PT gene expression upon administration of a therapeutic agent.

XX

PS Claim 18; SEQ ID NO 45208; 33pp; English.

XX

CC The new invention relates to a nucleotide array for detecting changes in
 CC gene expression upon administration of a therapeutic agent. The
 CC microarray has polynucleotide probes complementary to, or fragments of,
 CC Cynomolgus monkey genes, where each polynucleotide probe is immobilized
 CC to a discrete and known spot on a solid support. The polynucleotide
 CC probes are complementary to, or fragments of, any portion of an ortholog
 CC of a human gene, preferably a Tox gene. The probes are any of SEQ ID NO.
 CC 8882-9186. The probes are also complementary to, or fragments of, any
 CC portion of any of SEQ ID NO. 1-8881 or 9187-18598. The nucleotide array
 CC has at least one probe complementary to, or a fragment of, any portion of
 CC any human gene, where the probe from a human gene is any of SEQ ID NO.
 CC 43226-48714, or is complementary to, or a fragment of, any portion of any

CC of SEQ ID NO. 43450-48714. The array has at least one probe complementary
 CC to, or a fragment of, any portion of any Rhesus monkey gene, where the
 CC probe from a Rhesus monkey gene is any of SEQ ID NO. 35841-36074, or is
 CC complementary to, or a fragment of, any portion of any of SEQ ID NO.
 CC 18599-35840 or 36075-43225. It also has at least one probe complementary
 CC to, or a fragment of, any portion of a Rhesus monkey gene and at least
 CC one probe complementary to, or a fragment of, any portion of any human
 CC gene. The nucleotide array is useful for detecting changes in gene
 CC expression upon administration of a therapeutic agent. It can be used for
 CC characterizing the actions, targets, and toxicities of therapeutic agents
 CC in primates, e.g. a human, a Cynomolgus monkey, or a Rhesus monkey. This
 CC sequence is a DNA fragment of a human Tox gene.

XX

SQ Sequence 1239 BP; 262 A; 331 C; 391 G; 255 T; 0 U; 0 Other;

Query Match 78.8%; Score 694.2; DB 3; Length 1239;
 Best Local Similarity 98.9%; Pred. No. 2.8e-160;
 Matches 699; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy	175	ATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTTCAGCAGCAGCAGCAGCCACGACGAG	234
Db	528	ACGCTTGGCTTCTCAGGCTTTCAAATGTGTGTTCAGCAGCAGCAGCAGCCACGACGAG	587
Qy	235	GCCCCCGTCTGAAACGACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACC	294
Db	588	GCCCCCGTCTGAAACGACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACC	647
Qy	295	CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG	354
Db	648	CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG	707
Qy	355	TCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCT	414
Db	708	TCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCT	767
Qy	415	GGCTGGCTCCTGTCTCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCA	474
Db	768	GGCTGGCTCCTGTCTCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCA	827
Qy	475	GGTGTGCTGAATACCCTGGATGGGAAGTGTGAGCGAACCCTGGGCTCCGCTCAGAGAGACGT	534
Db	828	GGTGTGCTGAATACCCTGGATGGGAAGTGTGAGCGAACCCTGGGCTCCGCTCAGAGAGACGT	887
Qy	535	GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCCGC	594
Db	888	GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCCGC	947
Qy	595	TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCTGGTGAAAGGGA	654

Db	948	TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAAGGGA	1007
Qy	655	GCGCCATGGTCTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC	714
Db	1008	GCGCCATGGTCTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC	1067
Qy	715	TCCAGCCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCT	774
Db	1068	TCCAGCCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCT	1127
Qy	775	TGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTACAGATACGGAAACAGTCCAAAATG	834
Db	1128	TGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTACAGATACGGAAACAGTCCAAAATG	1187
Qy	835	GGATTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	881
Db	1188	GGATTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC	1234

RESULT 9

AQD66153

ID AQD66153 standard; DNA; 1261 BP.

XX

AC AQD66153;

XX

DT 20-MAR-2008 (first entry)

XX

DE Human chromosome 16 ORF 74 DNA SEQ ID 42.

XX

KW diagnostic; therapeutic; prophylaxis; gene expression; tumor suppressor;

KW dna library; peptide library; hybridoma; antibody production;

KW antibody identification; gene transfer; vector; immunoassay; cancer;

KW ovary tumor; cytostatic; chromosome-16; ORF 74; gene; ds.

XX

OS Homo sapiens.

XX

PN W02007147265-A1.

XX

PD 27-DEC-2007.

XX

PF 22-JUN-2007; 2007WO-CA001134.

XX

PR 23-JUN-2006; 2006US-0815829P.

PR 13-DEC-2006; 2006US-0874471P.

XX

PA (ALET-) ALETHIA BIOTHERAPEUTIQUES INC.

XX

PI Sooknanan RR, Tremblay GB, Filion M;

XX

DR WPI; 2008-B28167/08.
 DR P-PSDB; AQD66196.
 DR PC:NCBI; gi14290598.
 DR PC_ENCPRO:NCBI; gi14290599.
 XX

PT new isolated polynucleotides and polypeptides involved in cancer, useful
 PT for diagnosing, treating, or preventing cancer, e.g. ovarian cancer,
 PT prostate cancer, breast cancer, lung cancer, or colon cancer.
 XX

PS Claim 1; SEQ ID NO 42; 309pp; English.
 XX

CC The present invention relates to novel isolated polynucleotides and
 CC polypeptides involved in cancer, useful for diagnosing, treating, or
 CC preventing cancer, particularly ovarian cancer. The invention further
 CC relates to a vector comprising the polynucleotide; a library of
 CC polynucleotide or polypeptide; a pharmaceutical composition comprising
 CC the polynucleotide or polypeptide; use of the polynucleotide or
 CC polypeptide in the manufacture of a composition for identification or
 CC detection of a cancer cell; a method of reducing or slowing the growth of
 CC a cancer cell in an individual; a siRNA or shRNA molecule that lowers the
 CC expression of the polynucleotide; a kit for the diagnosis of cancer
 CC comprising at least one polynucleotide or polypeptide or a reagent
 CC capable of specifically binding to at least one polynucleotide or
 CC polypeptide of the invention; an isolated or purified antibody and
 CC antigen-binding fragment capable of specifically binding to the
 CC polypeptide; a hybridoma cell producing an antibody capable of
 CC specifically binding to a polypeptide of the invention; a composition
 CC comprising the antibody; a method of making an antibody; a method of
 CC identifying a compound that inhibits the activity or function of a
 CC polypeptide of the invention; a cell transformed with the polynucleotide
 CC or vector, or comprising an exogenous form of the polypeptide; a method
 CC of identifying a compound that inhibits the expression of a
 CC polynucleotide of the invention; and an immunoassay for detection of
 CC antibodies that specifically bind to any one polypeptide of the
 CC invention. The polynucleotide or polypeptide is useful in the
 CC identification or detection of a cancer cell or in the manufacture of a
 CC composition for identification or detection of a cancer cell or for
 CC inhibiting the growth of an ovarian cancer cell. The polypeptide is
 CC useful for detecting an antibody, which specifically binds to the
 CC polypeptide which acts as a inhibitor of the polypeptide and is useful in
 CC the treatment of cancer. The present sequence encodes a polypeptide
 CC sequence of the invention which is used for the treatment of cancer.
 CC

CC Revised record issued on 04-MAR-2008 : Enhanced with precomputed
 CC information from BOND.
 XX

SQ Sequence 1261 BP; 286 A; 332 C; 389 G; 254 T; 0 U; 0 Other;

Query Match 78.6%; Score 692.6; DB 4; Length 1261;

Best Local Similarity 98.7%; Pred. No. 7e-160;

Matches 698; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy	175	ATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCTCAGCAGCAGCAGCAGCAGCCACGACGAG	234
Db	528	ACGCCTGGCTTCTCAGGCTTTCAAATGTGTGTCTCAGCAGCAGCAGCAGCAGCCACGACGAG	587
Qy	235	GCCCCCGTCTGAAACGACAAGCACCTGGACGTGCCCCGACATCATCATACGCCCCCACC	294
Db	588	GCCCCCGTCTGAAACGACAAGCACCTGGACGTGCCCCGACATCATCATACGCCCCCACC	647
Qy	295	CCCACGGGCATGATGTGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG	354
Db	648	CCCACGGGCATGATGTGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG	707
Qy	355	TCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCT	414
Db	708	TCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCT	767
Qy	415	GGCTGGCTCCTGTCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCA	474
Db	768	GGCTGGCTCCTGTCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCA	827
Qy	475	GGTGTGCTGAATACCCTGGATGGGAACCTGAGCGAACC CGGCCCTCCGCTCAGAGAGACGT	534
Db	828	GGTGTGCTGAATACCCTGGATGGGAACCTGAGCGAACC CGGCCCTCCGCTCAGAGAGACGT	887
Qy	535	GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCCGC	594
Db	888	GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCCGC	947
Qy	595	TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA	654
Db	948	TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA	1007
Qy	655	GCGCCATGGTCTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC	714
Db	1008	GCGCCATGGTCTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC	1067
Qy	715	TCCAGCCCCCAGGGCTGTGCAAACACATGCCCCGCCATAAGCACCAACAAGAACTTCT	774
Db	1068	TCCAGCCCCCAGGGCTGTGCAAACACATGCCCCGCCATAAGCACCAACAAGAACTTCT	1127
Qy	775	TGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG	834
Db	1128	TGCAGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG	1187
Qy	835	GGATTATTAATTTCTTTTTTGCATTATAAATAAGATCCTCTGTAAC	881

Db 1188 GGATTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC 1234

RESULT 10

ADR26670/c

ID ADR26670 standard; DNA; 614 BP.

XX

AC ADR26670;

XX

DT 21-OCT-2004 (first entry)

XX

DE Breast cancer prognosis marker #2531.

XX

KW ds; breast cancer; prognosis; gene expression; diagnosis.

XX

OS Homo sapiens.

XX

FN WO2004065545-A2.

XX

PD 05-AUG-2004.

XX

PF 15-JAN-2004; 2004WO-US001100.

XX

PR 15-JAN-2003; 2003US-00342887.

XX

PA (ROSE-) ROSETTA INPHARMATICS LLC.

PA (NECA-) NETHERLANDS CANCER INST.

XX

PI Van't Veer LJ, He Y;

XX

DR WPI; 2004-593473/57.

XX

PT Classifying a breast cancer patient according to prognosis comprises
PT determining the similarity between the level of expression of each of
PT five genes in a cell sample taken from patient, to control levels.

XX

PS Disclosure; SEQ ID NO 2531; 226pp; English.

XX

CC The invention relates to a method of classifying a breast cancer patient
CC according to prognosis by determining the similarity between the level of
CC expression of each of five genes for which markers are listed in the
CC specification, in a cell sample taken from the breast cancer patient, to
CC control levels of expression for each respective five genes to obtain a
CC patient similarity value. The methods are useful for classifying a breast
CC cancer patient according to prognosis. Kits and computer program products
CC are useful for data analysis using the diagnostic, prognostic and
CC statistical methods of the invention. This sequence corresponds to a
CC marker used in the method of the invention.

XX

SQ Sequence 614 BP; 130 A; 179 C; 171 G; 134 T; 0 U; 0 Other;

Query Match 69.4%; Score 611; DB 2; Length 614;

Best Local Similarity 100.0%; Pred. No. 6.8e-140;

Matches 611; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	271	GACATCATCATCACGCCCCCACCACCGGCATGATGCTGCCAGGGACTTGGGGAGC	330
Db	614	GACATCATCATCACGCCCCCACCACCGGCATGATGCTGCCAGGGACTTGGGGAGC	555
Qy	331	ACAGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCC	390
Db	554	ACAGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCC	495
Qy	391	TGAGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGT	450
Db	494	TGAGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGT	435
Qy	451	CCGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACCTGAGCGAAC	510
Db	434	CCGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACCTGAGCGAAC	375
Qy	511	CCGGGGCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCC	570
Db	374	CCGGGGCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCC	315
Qy	571	AGAACAGTGTTCCTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCCTTG	630
Db	314	AGAACAGTGTTCCTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCCTTG	255
Qy	631	CTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAG	690
Db	254	CTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAG	195
Qy	691	GCTCTCTTCTGGACAAACACACCCTCCCAGCCCCAGGGCTGTGCAAACACATGCCCTTG	750
Db	194	GCTCTCTTCTGGACAAACACACCCTCCCAGCCCCAGGGCTGTGCAAACACATGCCCTTG	135
Qy	751	CCATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTATAAGTGTGTTTA	810
Db	134	CCATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTATAAGTGTGTTTA	75
Qy	811	CAGATACGGAAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCATTATAAAATAAAGA	870
Db	74	CAGATACGGAAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCATTATAAAATAAAGA	15
Qy	871	TCCTCTGTAAC	881
Db	14	TCCTCTGTAAC	4

RESULT 11

AAK90422

ID AAK90422 standard; DNA; 2798 BP.

XX

AC AAK90422;

XX

DT 05-NOV-2001 (first entry)

XX

DE Human digestive system antigen genomic sequence SEQ ID NO: 3998.

XX

KW Human; digestive system antigen; gene therapy; cancer; appendicitis;
 KW ulcerative colitis; infection; Hirschsprung's disease; chronic colitis;
 KW digestive system disorder; Meckel's diverticulum; ds.

XX

OS Homo sapiens.

XX

PN WO200155314-A2.

XX

PD 02-AUG-2001.

XX

PF 17-JAN-2001; 2001WO-US001324.

XX

PR 31-JAN-2000; 2000US-0179065P.

PR 04-FEB-2000; 2000US-0180628P.

PR 24-FEB-2000; 2000US-0184664P.

PR 02-MAR-2000; 2000US-0186350P.

PR 16-MAR-2000; 2000US-0189874P.

PR 17-MAR-2000; 2000US-0190076P.

PR 18-APR-2000; 2000US-0198123P.

PR 19-MAY-2000; 2000US-0205515P.

PR 07-JUN-2000; 2000US-0209467P.

PR 28-JUN-2000; 2000US-0214886P.

PR 30-JUN-2000; 2000US-0215135P.

PR 07-JUL-2000; 2000US-0216647P.

PR 07-JUL-2000; 2000US-0216880P.

PR 11-JUL-2000; 2000US-0217487P.

PR 11-JUL-2000; 2000US-0217496P.

PR 14-JUL-2000; 2000US-0218290P.

PR 26-JUL-2000; 2000US-0220963P.

PR 26-JUL-2000; 2000US-0220964P.

PR 14-AUG-2000; 2000US-0224518P.

PR 14-AUG-2000; 2000US-0224519P.

PR 14-AUG-2000; 2000US-0225213P.

PR 14-AUG-2000; 2000US-0225214P.

PR 14-AUG-2000; 2000US-0225266P.

PR 14-AUG-2000; 2000US-0225267P.

PR 14-AUG-2000; 2000US-0225268P.

PR 14-AUG-2000; 2000US-0225270P.
PR 14-AUG-2000; 2000US-0225447P.
PR 14-AUG-2000; 2000US-0225757P.
PR 14-AUG-2000; 2000US-0225758P.
PR 14-AUG-2000; 2000US-0225759P.
PR 18-AUG-2000; 2000US-0226279P.
PR 22-AUG-2000; 2000US-0226681P.
PR 22-AUG-2000; 2000US-0226868P.
PR 22-AUG-2000; 2000US-0227182P.
PR 23-AUG-2000; 2000US-0227009P.
PR 30-AUG-2000; 2000US-0228924P.
PR 01-SEP-2000; 2000US-0229287P.
PR 01-SEP-2000; 2000US-0229343P.
PR 01-SEP-2000; 2000US-0229344P.
PR 01-SEP-2000; 2000US-0229345P.
PR 05-SEP-2000; 2000US-0229509P.
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PR 06-SEP-2000; 2000US-0230437P.
PR 06-SEP-2000; 2000US-0230438P.
PR 08-SEP-2000; 2000US-0231242P.
PR 08-SEP-2000; 2000US-0231243P.
PR 08-SEP-2000; 2000US-0231244P.
PR 08-SEP-2000; 2000US-0231413P.
PR 08-SEP-2000; 2000US-0231414P.
PR 08-SEP-2000; 2000US-0232080P.
PR 08-SEP-2000; 2000US-0232081P.
PR 12-SEP-2000; 2000US-0231968P.
PR 14-SEP-2000; 2000US-0232397P.
PR 14-SEP-2000; 2000US-0232398P.
PR 14-SEP-2000; 2000US-0232399P.
PR 14-SEP-2000; 2000US-0232400P.
PR 14-SEP-2000; 2000US-0232401P.
PR 14-SEP-2000; 2000US-0233063P.
PR 14-SEP-2000; 2000US-0233064P.
PR 14-SEP-2000; 2000US-0233065P.
PR 21-SEP-2000; 2000US-0234223P.
PR 21-SEP-2000; 2000US-0234274P.
PR 25-SEP-2000; 2000US-0234997P.
PR 25-SEP-2000; 2000US-0234998P.
PR 26-SEP-2000; 2000US-0235484P.
PR 27-SEP-2000; 2000US-0235834P.
PR 27-SEP-2000; 2000US-0235836P.
PR 29-SEP-2000; 2000US-0236327P.
PR 29-SEP-2000; 2000US-0236367P.
PR 29-SEP-2000; 2000US-0236368P.
PR 29-SEP-2000; 2000US-0236369P.
PR 29-SEP-2000; 2000US-0236370P.
PR 02-OCT-2000; 2000US-0236802P.
PR 02-OCT-2000; 2000US-0237037P.

PR 02-OCT-2000; 2000US-0237038P.
PR 02-OCT-2000; 2000US-0237039P.
PR 02-OCT-2000; 2000US-0237040P.
PR 13-OCT-2000; 2000US-0239935P.
PR 13-OCT-2000; 2000US-0239937P.
PR 20-OCT-2000; 2000US-0240960P.
PR 20-OCT-2000; 2000US-0241221P.
PR 20-OCT-2000; 2000US-0241785P.
PR 20-OCT-2000; 2000US-0241786P.
PR 20-OCT-2000; 2000US-0241787P.
PR 20-OCT-2000; 2000US-0241808P.
PR 20-OCT-2000; 2000US-0241809P.
PR 20-OCT-2000; 2000US-0241826P.
PR 01-NOV-2000; 2000US-0244617P.
PR 08-NOV-2000; 2000US-0246474P.
PR 08-NOV-2000; 2000US-0246475P.
PR 08-NOV-2000; 2000US-0246476P.
PR 08-NOV-2000; 2000US-0246477P.
PR 08-NOV-2000; 2000US-0246478P.
PR 08-NOV-2000; 2000US-0246523P.
PR 08-NOV-2000; 2000US-0246524P.
PR 08-NOV-2000; 2000US-0246525P.
PR 08-NOV-2000; 2000US-0246526P.
PR 08-NOV-2000; 2000US-0246527P.
PR 08-NOV-2000; 2000US-0246528P.
PR 08-NOV-2000; 2000US-0246532P.
PR 08-NOV-2000; 2000US-0246609P.
PR 08-NOV-2000; 2000US-0246610P.
PR 08-NOV-2000; 2000US-0246611P.
PR 08-NOV-2000; 2000US-0246613P.
PR 17-NOV-2000; 2000US-0249207P.
PR 17-NOV-2000; 2000US-0249208P.
PR 17-NOV-2000; 2000US-0249209P.
PR 17-NOV-2000; 2000US-0249210P.
PR 17-NOV-2000; 2000US-0249211P.
PR 17-NOV-2000; 2000US-0249212P.
PR 17-NOV-2000; 2000US-0249213P.
PR 17-NOV-2000; 2000US-0249214P.
PR 17-NOV-2000; 2000US-0249215P.
PR 17-NOV-2000; 2000US-0249216P.
PR 17-NOV-2000; 2000US-0249217P.
PR 17-NOV-2000; 2000US-0249218P.
PR 17-NOV-2000; 2000US-0249244P.
PR 17-NOV-2000; 2000US-0249245P.
PR 17-NOV-2000; 2000US-0249264P.
PR 17-NOV-2000; 2000US-0249265P.
PR 17-NOV-2000; 2000US-0249297P.
PR 17-NOV-2000; 2000US-0249299P.
PR 17-NOV-2000; 2000US-0249300P.

PR 01-DEC-2000; 2000US-0250160P.
 PR 01-DEC-2000; 2000US-0250391P.
 PR 05-DEC-2000; 2000US-0251030P.
 PR 05-DEC-2000; 2000US-0251988P.
 PR 05-DEC-2000; 2000US-0256719P.
 PR 06-DEC-2000; 2000US-0251479P.
 PR 08-DEC-2000; 2000US-0251856P.
 PR 08-DEC-2000; 2000US-0251868P.
 PR 08-DEC-2000; 2000US-0251869P.
 PR 08-DEC-2000; 2000US-0251989P.
 PR 08-DEC-2000; 2000US-0251990P.
 PR 11-DEC-2000; 2000US-0254097P.
 PR 05-JAN-2001; 2001US-0259678P.

XX
 PA (HUMA-) HUMAN GENOME SCI INC.

XX
 PI Rosen CA, Barash SC, Ruben SM;

XX
 DR WPI; 2001-502630/55.

XX
 PT Polynucleotides encoding digestive system antigens, useful for
 PT diagnosing, treating, preventing and/or prognosing disorders of the
 PT digestive system, particularly cancer and cancer metastases.

XX
 PS Disclosure; SEQ ID NO 3998; 986pp; English.

XX
 CC The present invention provides the protein and coding sequences of a
 CC number of human digestive system antigens. These can be used in the
 CC diagnosis, treatment and prevention of digestive system disorders,
 CC including cancer, Meckel's diverticulum, bacterial or parasitic
 CC infections, appendicitis, Hirschsprung's disease, chronic colitis or
 CC ulcerative colitis. The present sequence is a genomic DNA fragment
 CC encoding a digestive system antigen of the invention

XX
 SQ Sequence 2798 BP; 594 A; 775 C; 809 G; 620 T; 0 U; 0 Other;

Query Match 62.3%; Score 549; DB 1; Length 2798;
 Best Local Similarity 100.0%; Pred. No. 2.2e-124;
 Matches 549; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 333 AGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCCTG 392
 Db 2240 AGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCCTG 2299
 Qy 393 AGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCC 452
 Db 2300 AGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCC 2359
 Qy 453 GGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCTGGATGGGAAGTACGAGCAACCC 512

Db	2360	GGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACAGAGCGAACC	2419
Qy	513	GGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAG	572
Db	2420	GGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAG	2479
Qy	573	AACAGTGTTCCTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCT	632
Db	2480	AACAGTGTTCCTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCT	2539
Qy	633	GACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCTGGCTGTTGGGGTCCCAGGGAGAGGC	692
Db	2540	GACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCTGGCTGTTGGGGTCCCAGGGAGAGGC	2599
Qy	693	TCTCTTCTGGACAAACACACCTCCAGCCCCAGGGCTGTGCAACACATGCCCTGCC	752
Db	2600	TCTCTTCTGGACAAACACACCTCCAGCCCCAGGGCTGTGCAACACATGCCCTGCC	2659
Qy	753	ATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTACA	812
Db	2660	ATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTACA	2719
Qy	813	GATACGGAACAGTCCAAATGGGATTATATAATTCTTTTTTGCAATTATAAATAAAGATC	872
Db	2720	GATACGGAACAGTCCAAATGGGATTATATAATTCTTTTTTGCAATTATAAATAAAGATC	2779
Qy	873	CTCTGTAAC	881
Db	2780	CTCTGTAAC	2788

RESULT 12

AAK90423

ID AAK90423 standard; DNA; 2804 BP.

XX

AC AAK90423;

XX

DT 05-NOV-2001 (first entry)

XX

DE Human digestive system antigen genomic sequence SEQ ID NO: 3999.

XX

KW Human; digestive system antigen; gene therapy; cancer; appendicitis;
 KW ulcerative colitis; infection; Hirschsprung's disease; chronic colitis;
 KW digestive system disorder; Meckel's diverticulum; ds.

XX

OS Homo sapiens.

XX

PN W0200155314-A2.

XX
PD 02-AUG-2001.
XX
PF 17-JAN-2001; 2001WO-US001324.
XX
PR 31-JAN-2000; 2000US-0179065P.
PR 04-FEB-2000; 2000US-0180628P.
PR 24-FEB-2000; 2000US-0184664P.
PR 02-MAR-2000; 2000US-0186350P.
PR 16-MAR-2000; 2000US-0189874P.
PR 17-MAR-2000; 2000US-0190076P.
PR 18-APR-2000; 2000US-0198123P.
PR 19-MAY-2000; 2000US-0205515P.
PR 07-JUN-2000; 2000US-0209467P.
PR 28-JUN-2000; 2000US-0214886P.
PR 30-JUN-2000; 2000US-0215135P.
PR 07-JUL-2000; 2000US-0216647P.
PR 07-JUL-2000; 2000US-0216880P.
PR 11-JUL-2000; 2000US-0217487P.
PR 11-JUL-2000; 2000US-0217496P.
PR 14-JUL-2000; 2000US-0218290P.
PR 26-JUL-2000; 2000US-0220963P.
PR 26-JUL-2000; 2000US-0220964P.
PR 14-AUG-2000; 2000US-0224518P.
PR 14-AUG-2000; 2000US-0224519P.
PR 14-AUG-2000; 2000US-0225213P.
PR 14-AUG-2000; 2000US-0225214P.
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PR 06-SEP-2000; 2000US-0230438P.

PR 08-SEP-2000; 2000US-0231242P.
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PR 08-SEP-2000; 2000US-0232080P.
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PR 12-SEP-2000; 2000US-0231968P.
PR 14-SEP-2000; 2000US-0232397P.
PR 14-SEP-2000; 2000US-0232398P.
PR 14-SEP-2000; 2000US-0232399P.
PR 14-SEP-2000; 2000US-0232400P.
PR 14-SEP-2000; 2000US-0232401P.
PR 14-SEP-2000; 2000US-0233063P.
PR 14-SEP-2000; 2000US-0233064P.
PR 14-SEP-2000; 2000US-0233065P.
PR 21-SEP-2000; 2000US-0234223P.
PR 21-SEP-2000; 2000US-0234274P.
PR 25-SEP-2000; 2000US-0234997P.
PR 25-SEP-2000; 2000US-0234998P.
PR 26-SEP-2000; 2000US-0235484P.
PR 27-SEP-2000; 2000US-0235834P.
PR 27-SEP-2000; 2000US-0235836P.
PR 29-SEP-2000; 2000US-0236327P.
PR 29-SEP-2000; 2000US-0236367P.
PR 29-SEP-2000; 2000US-0236368P.
PR 29-SEP-2000; 2000US-0236369P.
PR 29-SEP-2000; 2000US-0236370P.
PR 02-OCT-2000; 2000US-0236802P.
PR 02-OCT-2000; 2000US-0237037P.
PR 02-OCT-2000; 2000US-0237038P.
PR 02-OCT-2000; 2000US-0237039P.
PR 02-OCT-2000; 2000US-0237040P.
PR 13-OCT-2000; 2000US-0239935P.
PR 13-OCT-2000; 2000US-0239937P.
PR 20-OCT-2000; 2000US-0240960P.
PR 20-OCT-2000; 2000US-0241221P.
PR 20-OCT-2000; 2000US-0241785P.
PR 20-OCT-2000; 2000US-0241786P.
PR 20-OCT-2000; 2000US-0241787P.
PR 20-OCT-2000; 2000US-0241808P.
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PR 20-OCT-2000; 2000US-0241826P.
PR 01-NOV-2000; 2000US-0244617P.
PR 08-NOV-2000; 2000US-0246474P.
PR 08-NOV-2000; 2000US-0246475P.
PR 08-NOV-2000; 2000US-0246476P.
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PR 08-NOV-2000; 2000US-0246478P.

PR 08-NOV-2000; 2000US-0246523P.
PR 08-NOV-2000; 2000US-0246524P.
PR 08-NOV-2000; 2000US-0246525P.
PR 08-NOV-2000; 2000US-0246526P.
PR 08-NOV-2000; 2000US-0246527P.
PR 08-NOV-2000; 2000US-0246528P.
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PR 08-NOV-2000; 2000US-0246609P.
PR 08-NOV-2000; 2000US-0246610P.
PR 08-NOV-2000; 2000US-0246611P.
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PR 17-NOV-2000; 2000US-0249207P.
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PR 17-NOV-2000; 2000US-0249211P.
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PR 17-NOV-2000; 2000US-0249213P.
PR 17-NOV-2000; 2000US-0249214P.
PR 17-NOV-2000; 2000US-0249215P.
PR 17-NOV-2000; 2000US-0249216P.
PR 17-NOV-2000; 2000US-0249217P.
PR 17-NOV-2000; 2000US-0249218P.
PR 17-NOV-2000; 2000US-0249244P.
PR 17-NOV-2000; 2000US-0249245P.
PR 17-NOV-2000; 2000US-0249264P.
PR 17-NOV-2000; 2000US-0249265P.
PR 17-NOV-2000; 2000US-0249297P.
PR 17-NOV-2000; 2000US-0249299P.
PR 17-NOV-2000; 2000US-0249300P.
PR 01-DEC-2000; 2000US-0250160P.
PR 01-DEC-2000; 2000US-0250391P.
PR 05-DEC-2000; 2000US-0251030P.
PR 05-DEC-2000; 2000US-0251988P.
PR 05-DEC-2000; 2000US-0256719P.
PR 06-DEC-2000; 2000US-0251479P.
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PR 08-DEC-2000; 2000US-0251868P.
PR 08-DEC-2000; 2000US-0251869P.
PR 08-DEC-2000; 2000US-0251989P.
PR 08-DEC-2000; 2000US-0251990P.
PR 11-DEC-2000; 2000US-0254097P.
PR 05-JAN-2001; 2001US-0259678P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Rosen CA, Barash SC, Ruben SM;
XX
DR WPI; 2001-502630/55.

XX
PT Polynucleotides encoding digestive system antigens, useful for
PT diagnosing, treating, preventing and/or prognosing disorders of the
PT digestive system, particularly cancer and cancer metastases.
XX
PS Disclosure; SEQ ID NO 3999; 986pp; English.
XX
CC The present invention provides the protein and coding sequences of a
CC number of human digestive system antigens. These can be used in the
CC diagnosis, treatment and prevention of digestive system disorders,
CC including cancer, Meckel's diverticulum, bacterial or parasitic
CC infections, appendicitis, Hirschsprung's disease, chronic colitis or
CC ulcerative colitis. The present sequence is a genomic DNA fragment
CC encoding a digestive system antigen of the invention
XX
SQ Sequence 2804 BP; 598 A; 777 C; 808 G; 621 T; 0 U; 0 Other;

Query Match 62.1%; Score 547.4; DB 1; Length 2804;
Best Local Similarity 99.8%; Pred. No. 5.3e-124;
Matches 548; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 333 AGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCCTG 392
|||||
Db 2246 AGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCCTG 2305

Qy 393 AGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCC 452
|||||
Db 2306 AGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCC 2365

Qy 453 GGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAAGTGAAGCAACCC 512
|||||
Db 2366 GGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAAGTGAAGCAACCC 2425

Qy 513 GGGCTCCGCTCAGAGAGACGTGGCAGGACAGCGAGGAATCCAGCCTGTCCACTTCCAG 572
|||||
Db 2426 GGGCTCCGCTCAGAGAGACGTGGCAGGACAGCGAGGAATCCAGCCTGTCCACTTCCAG 2485

Qy 573 AACAGTGTTCCTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCT 632
|||||
Db 2486 AACAGTGTTCCTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCT 2545

Qy 633 GACTCCGGCTGGTGAAAGGAGCGCCATGGTCTGGCTGTTGGGGTCCAGGGAGAGGC 692
|||||
Db 2546 GACTCCGGCTGGTGAAAGGAGCGCCATGGTCTGGCTGTTGGGGTCCAGGGAGAGGC 2605

Qy 693 TCTCTTCTGGACAAACACACCTCCAGCCCCCAGGGCTGTGCAAACACATGCCCTTGCC 752
|||||
Db 2606 TCTCTTCTGGACAAACACACCTCCAGCCCCCAGGGCTGTGCAAACACATGCCCTTGCC 2665

Qy 753 ATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTACA 812
 |||
 Db 2666 ATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTACA 2725
 Qy 813 GATACGGAAACAGTCCAAAATGGGATTATAATTCTTTTTGCATTATAAAATAAAGATC 872
 |||
 Db 2726 GATACGGAAACAGTCCAAAATGGGATTATAATTCTTTTTGCATTATAAAATAAAGATC 2785
 Qy 873 CTCTGTAAC 881
 |||
 Db 2786 CTCTGTAAC 2794

RESULT 13

ABL65256

ID ABL65256 standard; DNA; 574 BP.

XX

AC ABL65256;

XX

DT 11-JUN-2007 (revised)

DT 15-MAY-2002 (first entry)

XX

DE Lung cancer related gene sequence SEQ ID NO:3593.

XX

KW Human; cancer; colon; breast; ovary; oesophagus; kidney; thyroid;

KW stomach; lung; prostate; pancreas; carcinoma; antitumour; cancerous;

KW cytostatic; gene therapy; antineoplastic; Wilm's tumour; adenocarcinoma;

KW gene; ds.

XX

OS Homo sapiens.

XX

PN WO200194629-A2.

XX

PD 13-DEC-2001.

XX

PF 30-MAY-2001; 2001WO-US010838.

XX

PR 05-JUN-2000; 2000US-0209473P.

PR 05-JUN-2000; 2000US-0209531P.

PR 18-SEP-2000; 2000US-0233133P.

PR 18-SEP-2000; 2000US-0233617P.

PR 20-SEP-2000; 2000US-0234009P.

PR 20-SEP-2000; 2000US-0234034P.

PR 20-SEP-2000; 2000US-0234052P.

PR 22-SEP-2000; 2000US-0234509P.

PR 22-SEP-2000; 2000US-0234567P.

PR 25-SEP-2000; 2000US-0234923P.

PR 25-SEP-2000; 2000US-0234924P.

PR 25-SEP-2000; 2000US-0235077P.

PR 25-SEP-2000; 2000US-0235082P.
 PR 25-SEP-2000; 2000US-0235134P.
 PR 25-SEP-2000; 2000US-0235280P.
 PR 26-SEP-2000; 2000US-0235637P.
 PR 26-SEP-2000; 2000US-0235638P.
 PR 27-SEP-2000; 2000US-0235711P.
 PR 27-SEP-2000; 2000US-0235720P.
 PR 27-SEP-2000; 2000US-0235840P.
 PR 27-SEP-2000; 2000US-0235863P.
 PR 28-SEP-2000; 2000US-0236028P.
 PR 28-SEP-2000; 2000US-0236032P.
 PR 28-SEP-2000; 2000US-0236033P.
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 PR 28-SEP-2000; 2000US-0236109P.
 PR 28-SEP-2000; 2000US-0236111P.
 PR 29-SEP-2000; 2000US-0236842P.
 PR 29-SEP-2000; 2000US-0236891P.
 PR 02-OCT-2000; 2000US-0237172P.
 PR 02-OCT-2000; 2000US-0237173P.
 PR 02-OCT-2000; 2000US-0237278P.
 PR 02-OCT-2000; 2000US-0237294P.
 PR 02-OCT-2000; 2000US-0237295P.
 PR 02-OCT-2000; 2000US-0237316P.
 PR 03-OCT-2000; 2000US-0237425P.
 PR 03-OCT-2000; 2000US-0237598P.
 PR 03-OCT-2000; 2000US-0237604P.
 PR 03-OCT-2000; 2000US-0237606P.
 PR 03-OCT-2000; 2000US-0237608P.
 PR 01-NOV-2000; 2000US-0244867P.
 PR 01-NOV-2000; 2000US-0245084P.

XX

PA (AVAL-) AVALON PHARM.

XX

PI Young PE, Augustus M, Carter KC, Ebner R, Endress G, Horrigan S;
 PI Soppet DR, Weaver Z;

XX

DR WPI; 2002-188264/24.

DR PC:NCBI; gil1318992.

XX

PT Screening for anti-neoplastic agent involves exposing cells to a chemical
 PT agent to be tested for anti-neoplastic activity, and determining a change
 PT in expression of a gene of a signature gene set.

XX

PS Claim 1; SEQ ID NO 3593; 44pp; English.

XX

CC The present invention describes a method (M1) for screening for an anti-
 CC neoplastic agent. The method involves exposing cells to a chemical agent
 CC to be tested for anti-neoplastic activity, determining a change in
 CC expression of at least one gene (I) of a signature gene set, where (I)

CC comprises a sequence (S) selected from 8447 sequences (given in ABL61664
 CC to ABL70110), or is at least 95% identical to (S), where a change in
 CC expression is indicative of anti-neoplastic activity. (I) has cytostatic
 CC activity and can be used in gene therapy. M1 can be used for screening an
 CC anti-neoplastic agent, and can be used for producing a product which is
 CC the data collected with respect to the anti-neoplastic agent as a result
 CC of M1, and the data is sufficient to convey the chemical structure and/or
 CC properties of the agent. M1 can be used in the treatment of cancer such
 CC as colon, breast, stomach, lung, thyroid, oesophageal, ovarian, kidney,
 CC prostate or pancreatic cancer, adenocarcinoma, carcinoma, clear cell
 CC cancer, infiltrating ductal cancer, infiltrating lobular cancer, squamous
 CC cell carcinoma, neuroendocrine carcinoma, papillary carcinoma and Wilm's
 CC tumour

CC

CC Revised record issued on 11-JUN-2007 : Enhanced with precomputed
 CC information from BOND.

XX

SQ Sequence 574 BP; 140 A; 144 C; 158 G; 128 T; 0 U; 4 Other;

Query Match 41.7%; Score 367; DB 1; Length 574;
 Best Local Similarity 88.8%; Pred. No. 8.3e-80;
 Matches 491; Conservative 0; Mismatches 42; Indels 20; Gaps 8;

Qy 348 GACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGG 407
 |||||||

Db 7 GACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGG 66

Qy 408 TTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCC 467
 |||||||

Db 67 TTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCC 126

Qy 468 TGGAGCAGGTGTGCTGAATACCTGGATGGGAACCTGAGCGAACCCGGGCCTCCGCTCAGA 527
 |||||||

Db 127 TGGAGCAGGTGTGCTGAATACCTGGATGGGAACCTGAGCGAACCCGGGCCTCCGCTCAGA 186

Qy 528 GAGACGTGGCAGGACACGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCCTCCAG 587
 |||||||

Db 187 GAGACGTGGCAGGACACGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCCTCCAN 246

Qy 588 GCCCCGCTGAGTGGACCGGACCTCTGACACCTCC-AGGTTCTTGCTGACTCCGGCCTGGT 646
 |||||||

Db 247 GCCCCGCTNAGTGGACCGGACCTCTGACACCTCCAAGGTTCTTGCTGACTCCGGCCTGGT 306

Qy 647 GAAAGGG-AGCGCCATGGTCTCTGGCTGTTGGGGTCCCAGGGA--GAGGCTCTCTTCT-GG 702
 |||||||

Db 307 GAAAGGGAAGCGCCATGGTCTCTGGCTGTTGGGGTCCCAGGGAAGAAGGCTCTCTTCTNGG 366

Qy 703 ACAAAACACACCTCCAGCCCCCAGGGCTGT---GCAAACACATGCCCTGCCATAAGCA 759
 |||||||

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ADE07493
ID   ADE07493 standard; DNA; 1617 BP.
XX
AC   ADE07493;
XX
DT   29-JAN-2004 (first entry)
XX
DE   Novel coding sequence (useful for identifying genetic disorders) #559.
XX
KW   novel gene; novel protein; tissue marker; molecular weight marker;
KW   chromosome marker; genetic disorder; gene; ds.
XX
OS   Unidentified.
XX
PN   WO2003054152-A2.
XX
PD   03-JUL-2003.
XX
PF   10-DEC-2002; 2002WO-US039555.
XX
PR   10-DEC-2001; 2001US-0339739P.
PR   11-DEC-2001; 2001US-0339453P.
PR   14-MAR-2002; 2002US-0365091P.
PR   14-MAR-2002; 2002US-0365384P.
PR   12-APR-2002; 2002US-0372381P.
PR   12-APR-2002; 2002US-0372615P.
PR   22-APR-2002; 2002US-00128558.
PR   24-APR-2002; 2002US-0376045P.
XX
PA   (HYSE-) HYSEQ INC.
XX
PI   Tang YT, Asundi V, Goodrich RW, Ren F, Zhang J, Zhao QA, Wang J;
PI   Ghosh M, Xue AJ, Wehrman T, Weng G, Zhou P, Drmanac RT, Wang Z;

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PI Ma Y, Wang D, Chen R, Xu C, Boyle BJ;
 XX
 DR WPI; 2003-569235/53.
 DR P-PSDB; ADE08404.
 XX
 PT New polynucleotides, useful for expressing recombinant proteins for
 PT analysis, characterization or therapeutic use, or as markers for tissues
 PT in which the corresponding protein is preferentially expressed.
 XX
 PS Claim 1; SEQ ID NO 559; 1177pp; English.
 XX
 CC The invention comprises the amino acid and coding sequences of novel
 CC proteins. The DNA and protein sequences of the invention are useful as:
 CC markers for tissues in which the corresponding protein is preferentially
 CC expressed; as molecular weight markers on gels; as chromosome markers or
 CC tags; to identify chromosomes or to map related gene positions; and to
 CC compare with endogenous DNA sequences in patients to identify potential
 CC genetic disorders. The present DNA sequence represents a gene of the
 CC invention.
 XX
 SQ Sequence 1617 BP; 374 A; 484 C; 474 G; 285 T; 0 U; 0 Other;

Query Match 23.4%; Score 206.4; DB 1; Length 1617;
 Best Local Similarity 99.5%; Pred. No. 4.2e-40;
 Matches 207; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 186 GAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCGTCCT 245
 | ||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 1410 GCAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCGTCCT 1469
 Qy 246 GAACGACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACCCCCACGGGCAT 305
 | ||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 1470 GAACGACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACCCCCACGGGCAT 1529
 Qy 306 GATGCTGCCGAGGGACTTGGGGAGCAGCTGCGTGGATGAGACAGGGTCGTGCCCAGA 365
 | ||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 1530 GATGCTGCCGAGGGACTTGGGGAGCAGCTGCGTGGATGAGACAGGGTCGTGCCCAGA 1589
 Qy 366 TGATGGAGAAATCGACCCAGAAGCCTGA 393
 | ||||||||||||||||||||||||||||
 Db 1590 TGATGGAGAAATCGACCCAGAAGCCTGA 1617

RESULT 15
 AFS82561
 ID AFS82561 standard; DNA; 203 BP.
 XX
 AC AFS82561;
 XX

DT 20-SEP-2007 (first entry)
 XX
 DE Human transcript sequence, SEQ ID 1960.
 XX
 KW DNA detection; RNA detection; exon; ds.
 XX
 OS Homo sapiens.
 XX
 PN WO200268579-A2.
 XX
 PD 06-SEP-2002.
 XX
 PF 10-JAN-2002; 2002WO-US000284.
 XX
 PR 10-JAN-2001; 2001US-00756696.
 XX
 PA (PEKE) PE CORP NY.
 XX
 PI Venter CJ, Adams M, Li PWD, Myers EW;
 XX
 DR WPI; 2002-682812/73.
 XX
 PT New isolated nucleic acid detection reagent for detecting the presence of
 PT specified human exons.
 XX
 PS Claim 4; SEQ ID NO 1960; 40pp; English.
 XX
 CC The present invention relates to a novel isolated nucleic acid detection
 CC reagent for detecting the presence of specified human exons. The exon
 CC sequences cover every identified human transcript and exon comprising
 CC every gene/coding region of the human genome. The present sequence is one
 CC such exon sequence. The nucleic acid detection agent is used for
 CC detecting the presence of at least 100000, at least 2000, at least 50000
 CC or at least 10000 human exons. The sequences that span exon-exon
 CC junctions eliminate false signals caused by genomic contamination. This
 CC is because a detection element comprising two neighboring exons as one
 CC contiguous sequence will not hybridize to genomic DNA comprising
 CC intervening intronic DNA. These detection elements will only hybridize to
 CC expressed mRNA transcripts in which the exons are connected and the
 CC intronic sequence has been removed, therefore forming one contiguous
 CC stretch of sequence corresponding to the sequence of the detection
 CC element that spans the exon-exon junction.
 XX
 SQ Sequence 203 BP; 49 A; 65 C; 60 G; 29 T; 0 U; 0 Other;

Query Match 23.0%; Score 203; DB 1; Length 203;
 Best Local Similarity 100.0%; Pred. No. 1.4e-39;
 Matches 203; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      191  GCTTTCAAATGTGTGTGCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCGTCCTGAACG 250
        |||
Db      1    GCTTTCAAATGTGTGTGCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCGTCCTGAACG 60

Qy      251  ACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACCCCCACGGGCATGATGC 310
        |||
Db      61  ACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACCCCCACGGGCATGATGC 120

Qy      311  TGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATG 370
        |||
Db      121  TGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATG 180

Qy      371  GAGAAATCGACCCAGAAGCCTGA 393
        |||
Db      181  GAGAAATCGACCCAGAAGCCTGA 203
    
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Search completed: April 28, 2009, 04:16:11
 Job time : 236 secs

SCORE 3.0